

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045018.D
 Acq On : 30 Sep 2021 01:53
 Operator : SY/MD
 Sample : PB139450ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#01

Quant Time: Sep 30 05:28:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

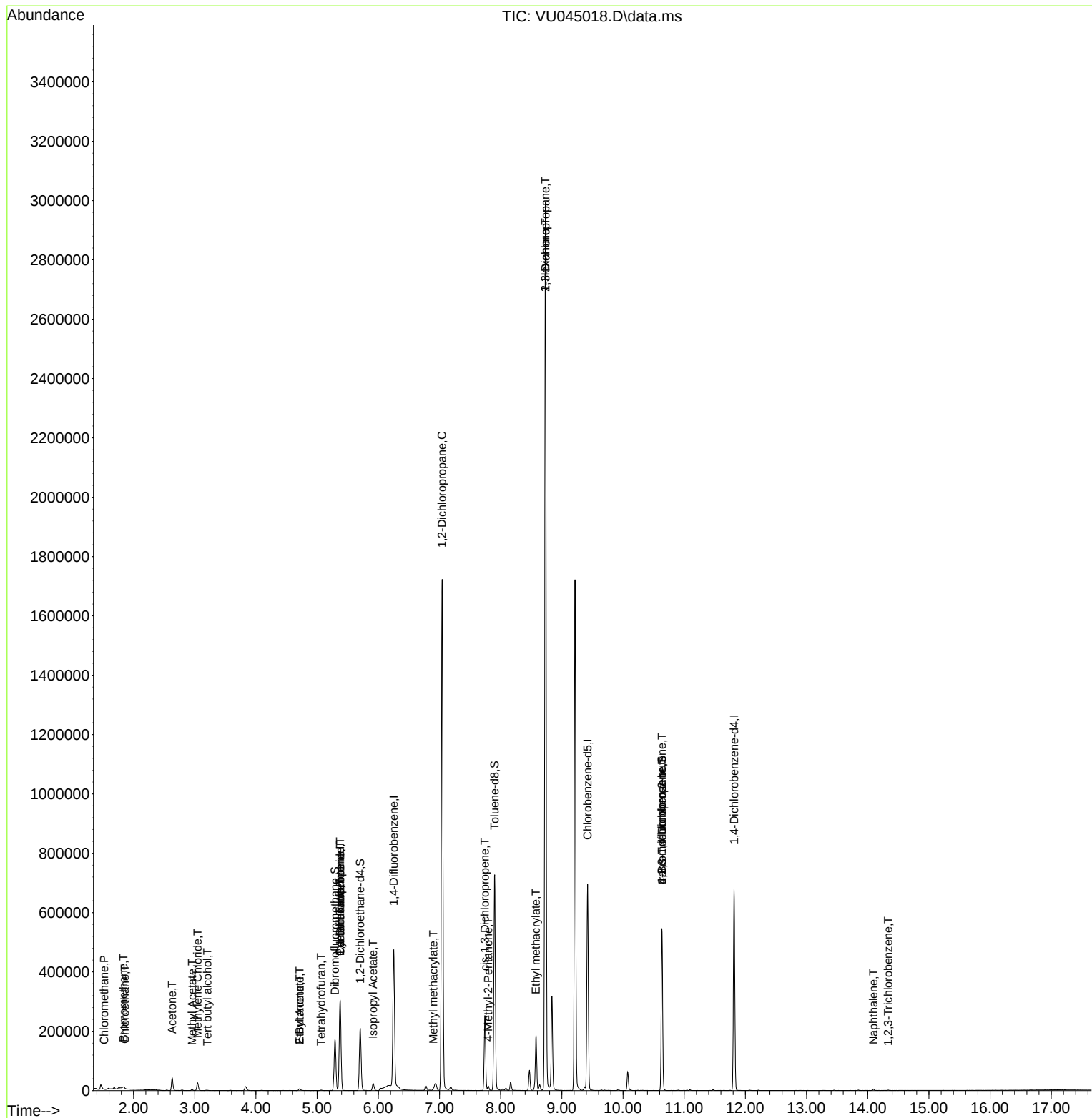
Internal Standards						
1) Pentafluorobenzene	5.375	168	198555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	358453	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	357403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	166310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	156542	47.362	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.720%		
35) Dibromofluoromethane	5.292	113	109246	48.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	7.902	98	462348	51.748	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.500%		
62) 4-Bromofluorobenzene	10.635	95	180945	49.054	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.100%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	728	0.229	ug/l	89
5) Bromomethane	1.832	94	537	0.430	ug/l	87
6) Chloroethane	1.858	64	717	0.293	ug/l #	70
11) Tert butyl alcohol	3.205	59	1635	1.724	ug/l #	72
16) Acetone	2.629	43	48002	24.467	ug/l	99
18) Methyl Acetate	2.954	43	4748	0.828	ug/l	97
20) Methylene Chloride	3.047	84	12495	4.228	ug/l	96
25) 2-Butanone	4.713	43	9688	3.476	ug/l	100
29) Tetrahydrofuran	5.067	42	997	0.601	ug/l	93
31) Cyclohexane	5.375	56	5198	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18332	4.890	ug/l #	49
37) Ethyl Acetate	4.713	43	9688	1.953	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21381	6.592	ug/l #	16
43) Isopropyl Acetate	5.915	43	26128	3.502	ug/l	99
45) 1,2-Dichloropropane	7.041	63	2107	0.712	ug/l #	45
48) Methyl methacrylate	6.899	41	8545	2.353	ug/l #	14
49) 1,4-Dioxane	7.047	88	170	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	9577	1.763	ug/l	97
54) cis-1,3-Dichloropropene	7.742	75	45083	9.776	ug/l #	59
56) Ethyl methacrylate	8.574	69	913	1.976	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	30097	5.792	ug/l #	43
59) 2-Hexanone	8.732	43	411337	92.986	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	98823	20.372	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	98823	56.535	ug/l #	9
95) Naphthalene	14.092	128	4348	0.354	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.336	180	756	0.231	ug/l	85

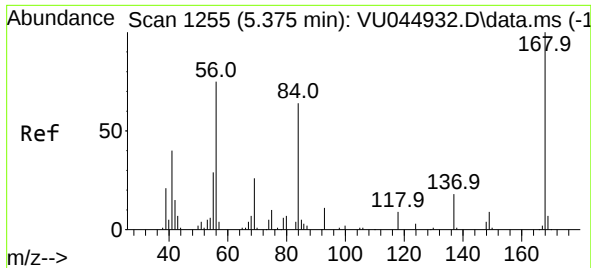
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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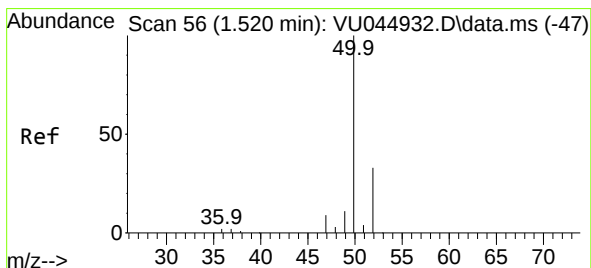
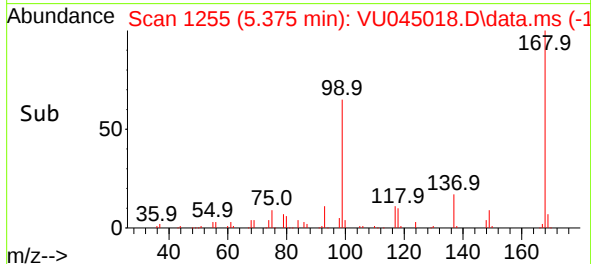
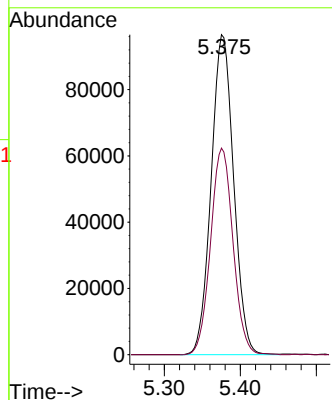
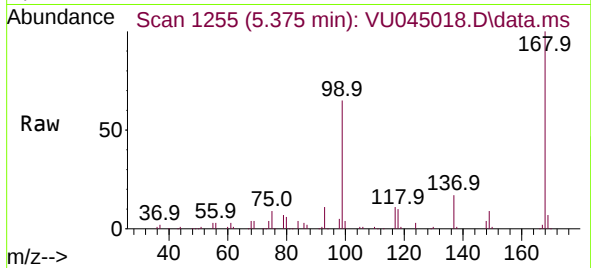




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

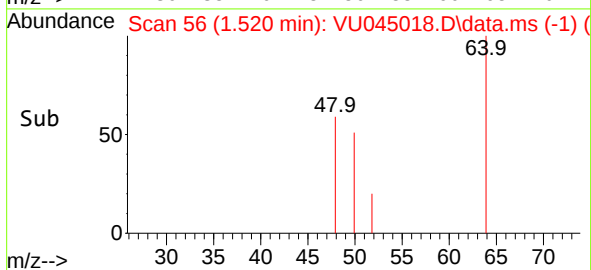
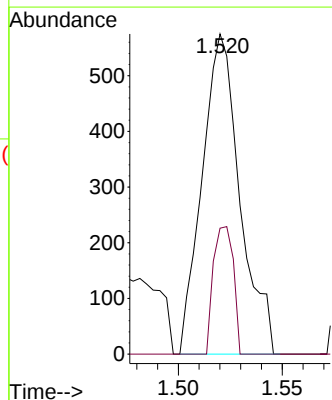
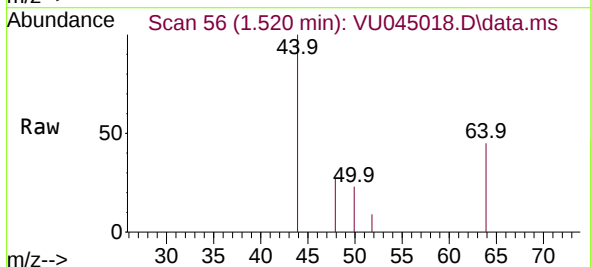
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

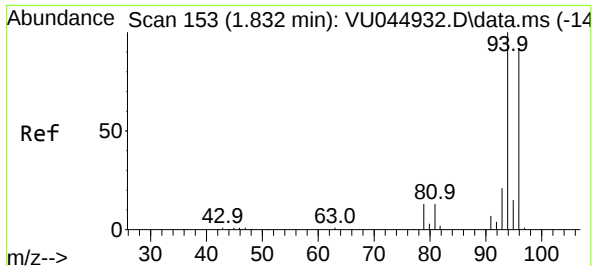
Tgt Ion:168 Resp: 198555
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 39.3 26.3 39.5

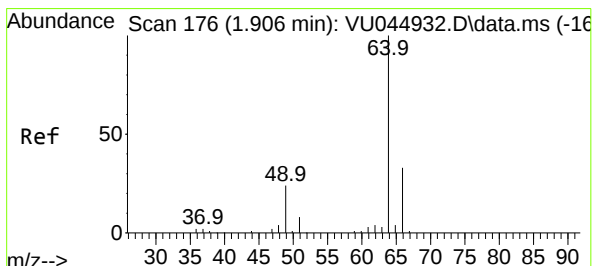
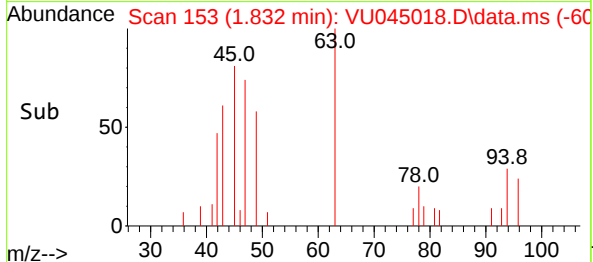
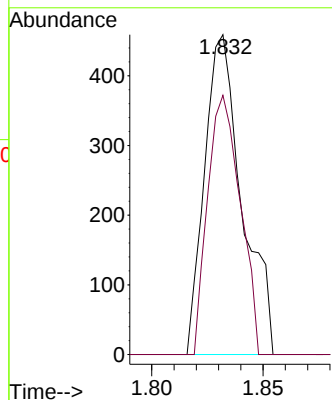
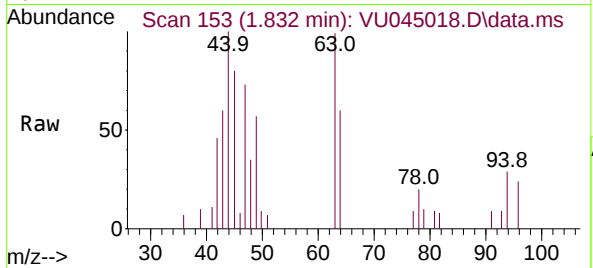




#5
Bromomethane
Concen: 0.430 ug/l
RT: 1.832 min Scan# 153
Delta R.T. -0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

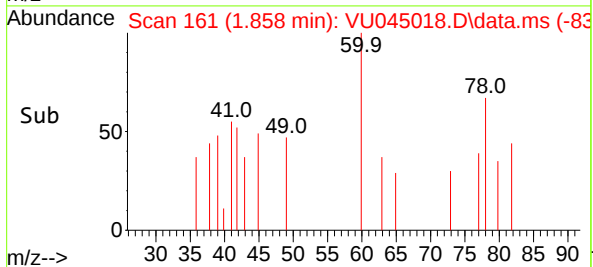
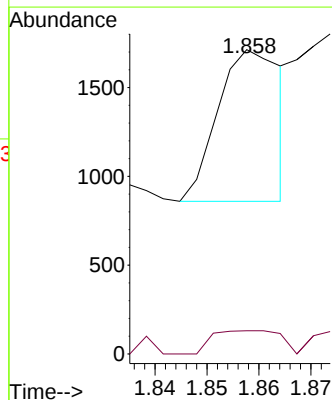
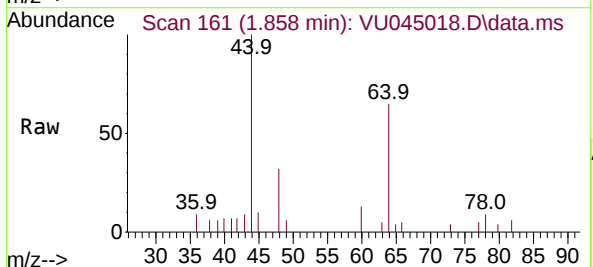
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

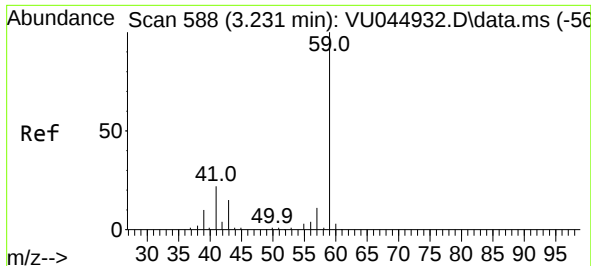
Tgt Ion: 94 Resp: 537
Ion Ratio Lower Upper
94 100
96 81.0 74.5 111.7



#6
Chloroethane
Concen: 0.293 ug/l
RT: 1.858 min Scan# 161
Delta R.T. -0.048 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 64 Resp: 717
Ion Ratio Lower Upper
64 100
66 15.3 25.8 38.8#

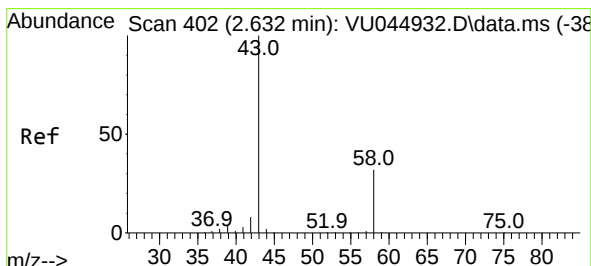
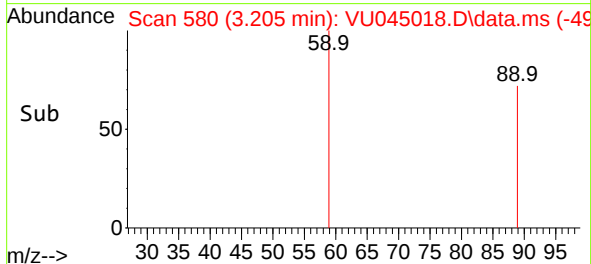
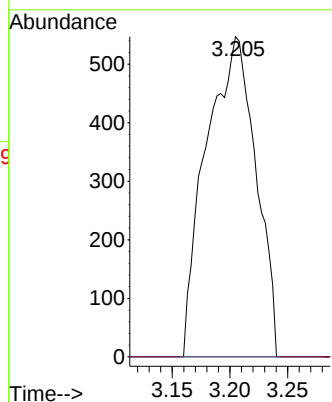
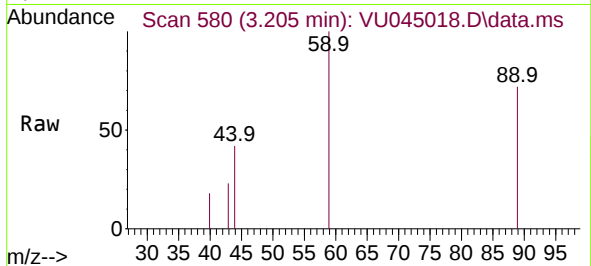




#11
Tert butyl alcohol
Concen: 1.724 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.026 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

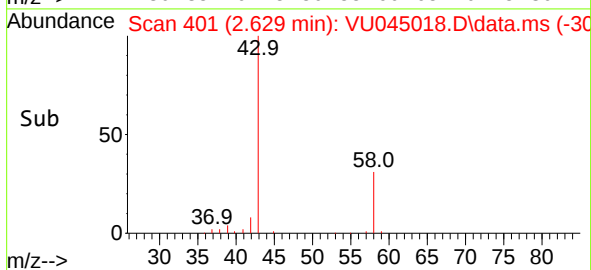
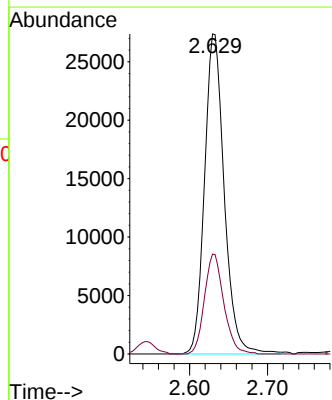
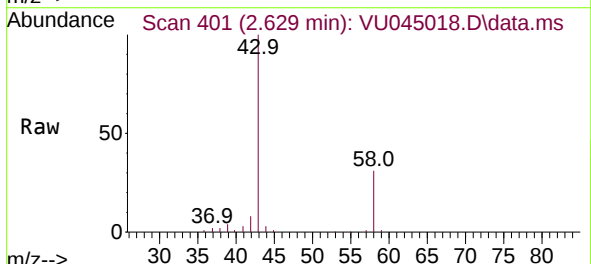
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

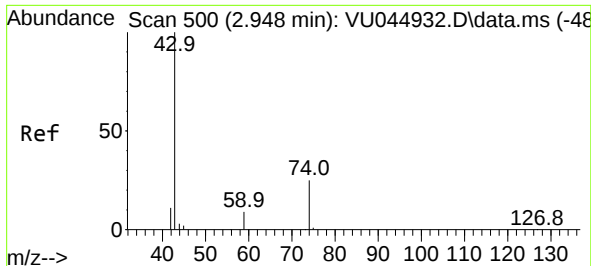
Tgt Ion: 59 Resp: 1635
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 24.467 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

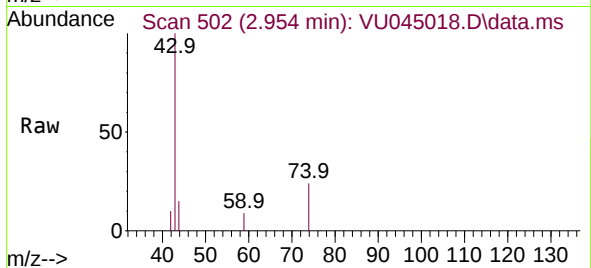
Tgt Ion: 43 Resp: 48002
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8



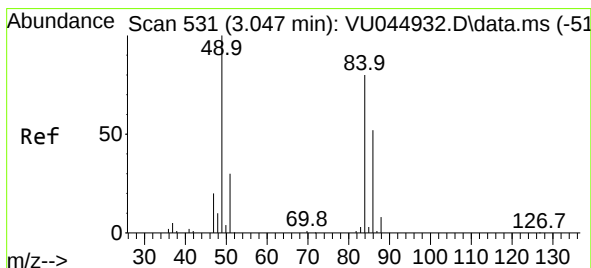
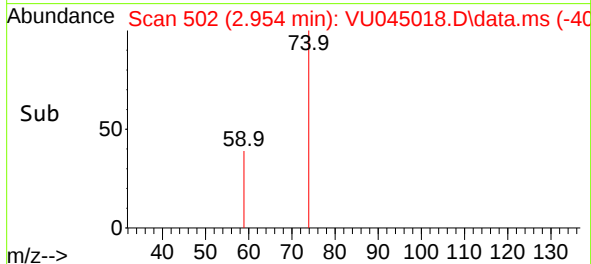
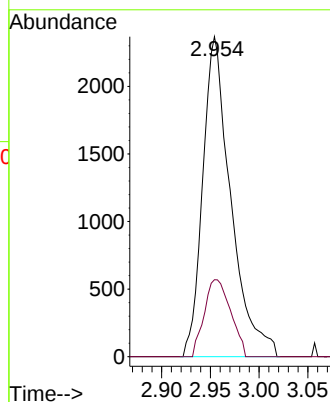


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

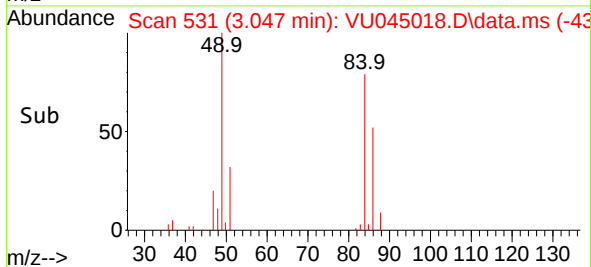
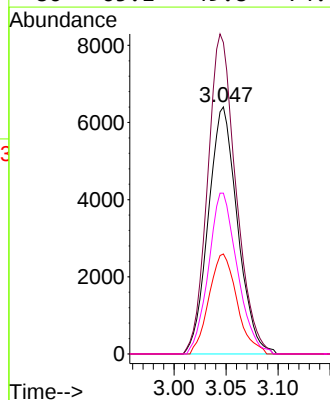
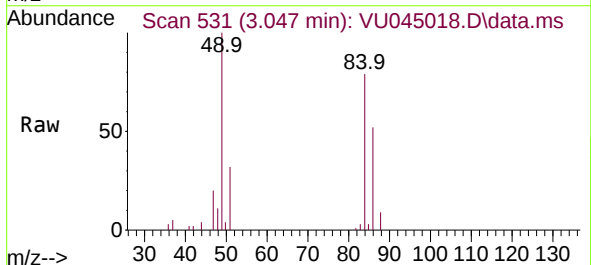


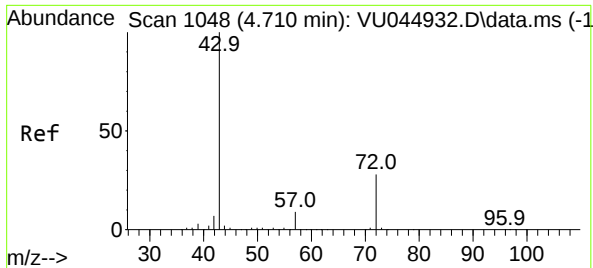
Tgt Ion: 43 Resp: 4748
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.6



#20
Methylene Chloride
Concen: 4.228 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 84 Resp: 12495
Ion Ratio Lower Upper
84 100
49 126.1 104.9 157.3
51 40.5 31.8 47.8
86 65.1 49.8 74.6

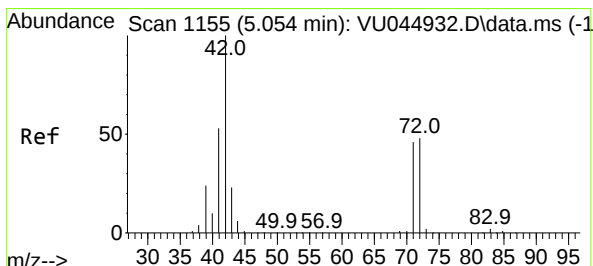
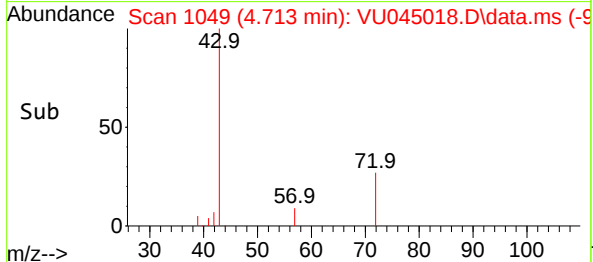
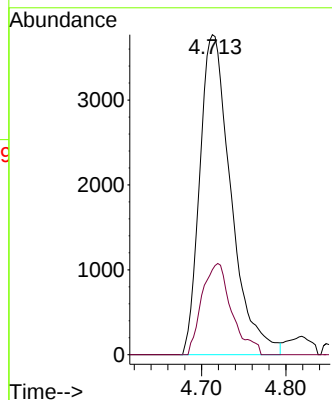
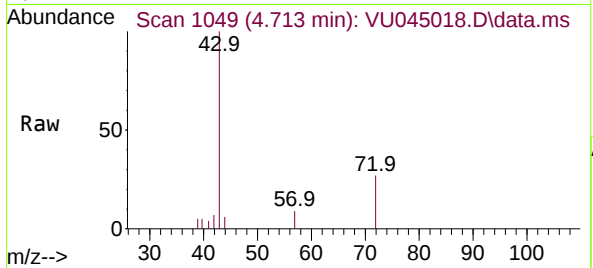




#25
2-Butanone
Concen: 3.476 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

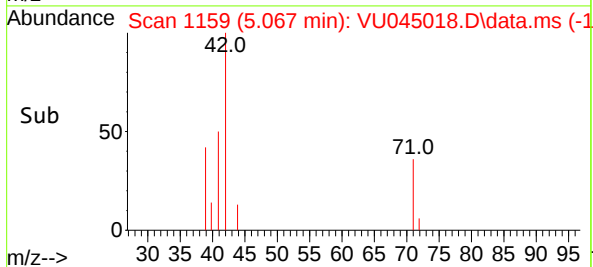
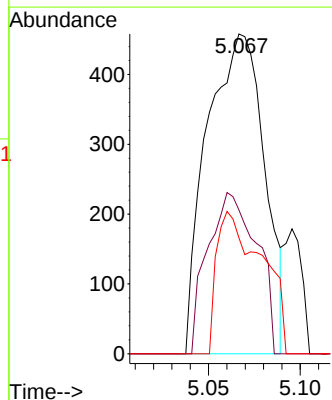
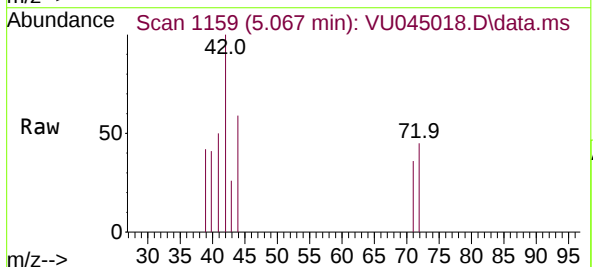
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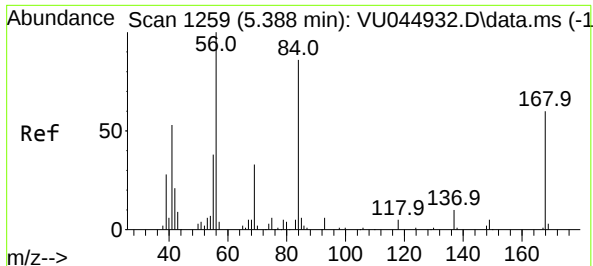
Tgt Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
72 26.6 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.601 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.013 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 42 Resp: 997
Ion Ratio Lower Upper
42 100
72 43.1 36.2 54.4
71 35.1 34.1 51.1





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 5.375 min Scan# 1255

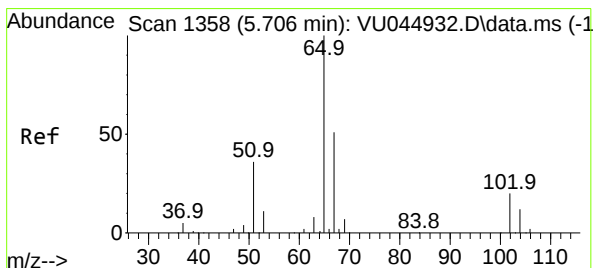
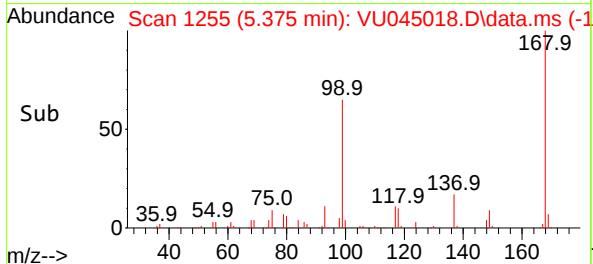
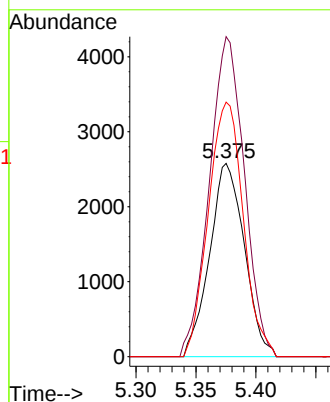
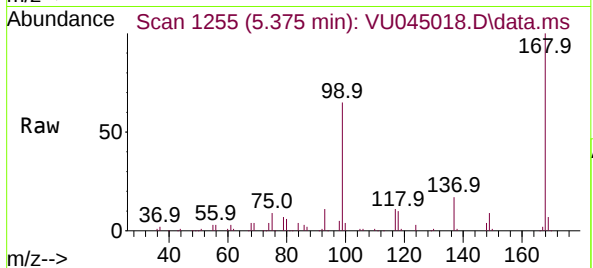
Delta R.T. -0.013 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

Tgt Ion:	56	Resp:	5198
Ion	Ratio	Lower	Upper
56	100		
69	165.5	25.2	37.8#
84	131.6	66.4	99.6#

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ClientSampleId :
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#33

1,2-Dichloroethane-d4

Concen: 47.362 ug/l

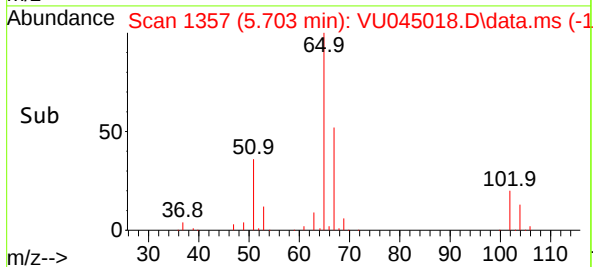
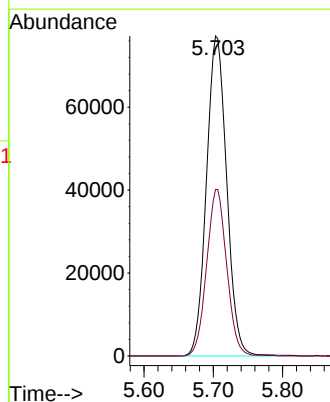
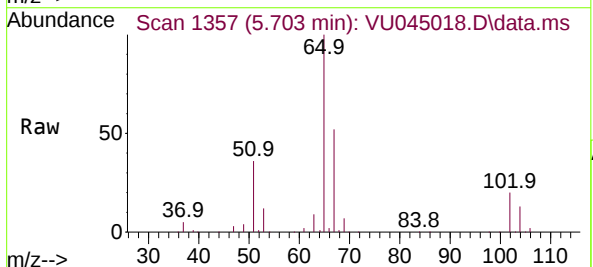
RT: 5.703 min Scan# 1357

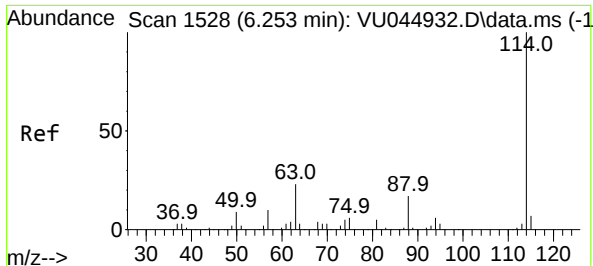
Delta R.T. -0.003 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

Tgt Ion:	65	Resp:	156542
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

Instrument :

MSVOA_U

ClientSampleId :

PB139450ZHE#01

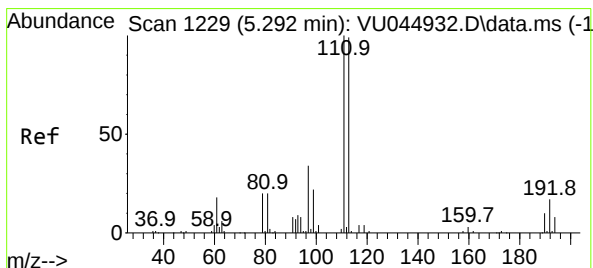
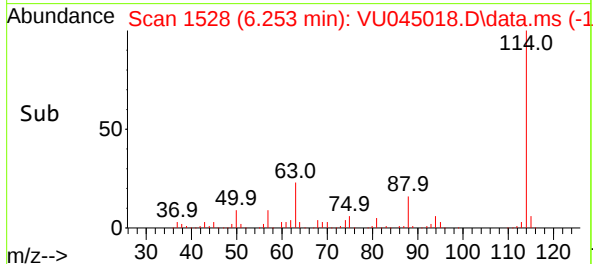
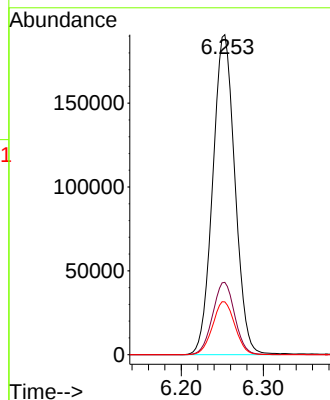
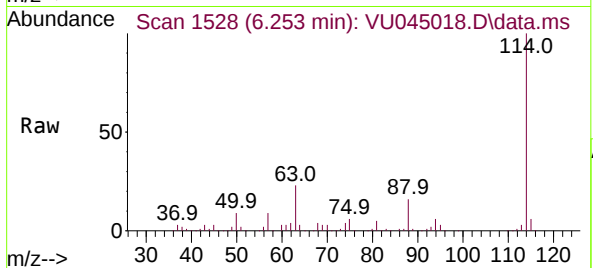
Tgt Ion:114 Resp: 358453

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.312 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

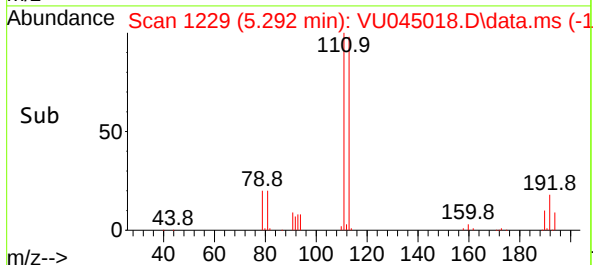
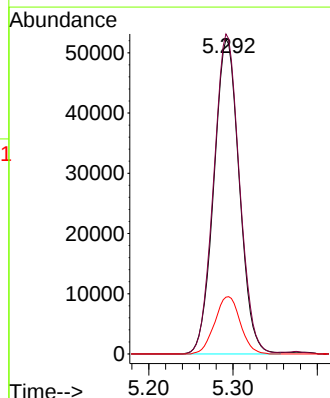
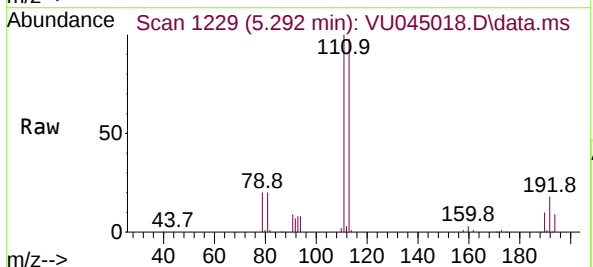
Tgt Ion:113 Resp: 109246

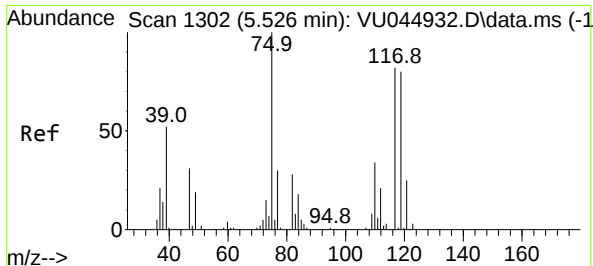
Ion Ratio Lower Upper

113 100

111 102.9 84.1 126.1

192 18.3 14.8 22.2

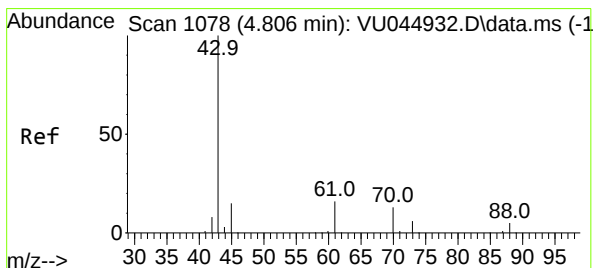
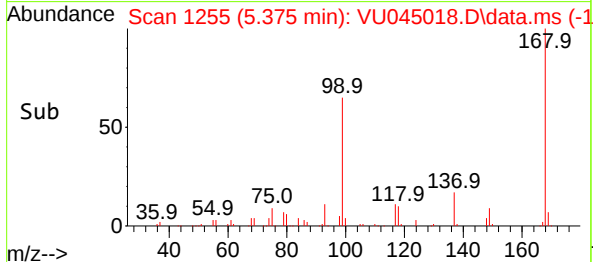
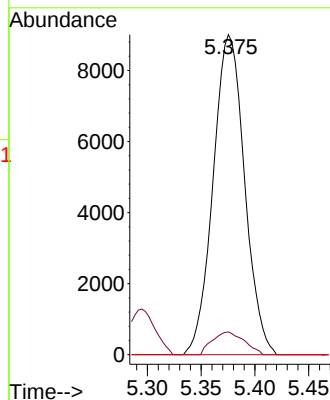
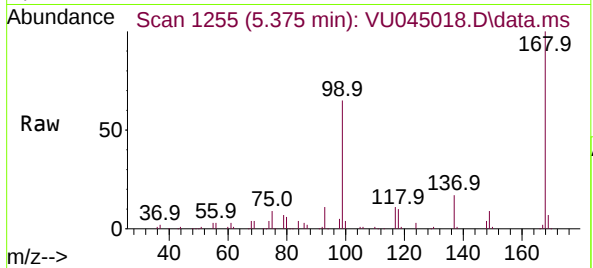




#36
1,1-Dichloropropene
Concen: 4.890 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

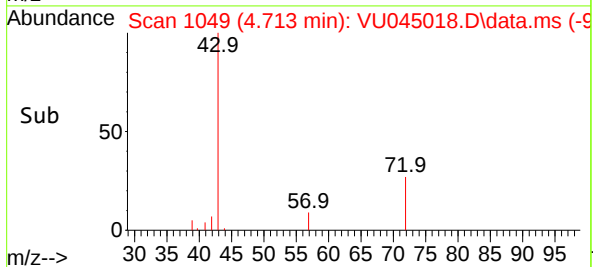
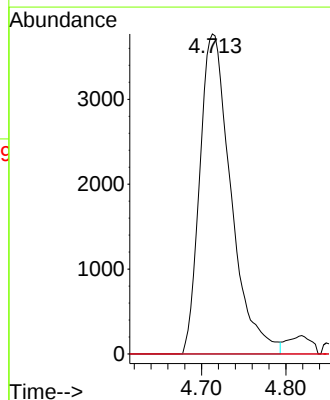
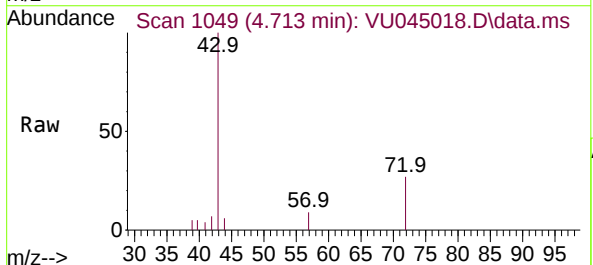
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

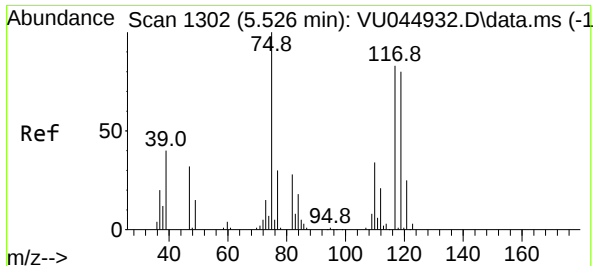
Tgt Ion: 75 Resp: 18332
Ion Ratio Lower Upper
75 100
110 7.2 16.3 48.9#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.953 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

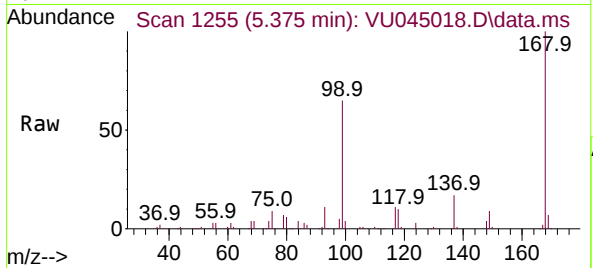
Tgt Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



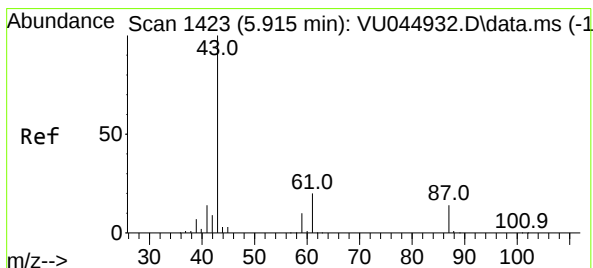
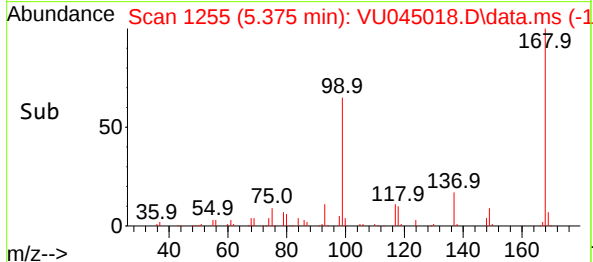
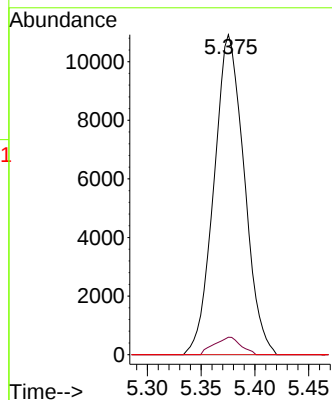


#38
Carbon Tetrachloride
Concen: 6.592 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

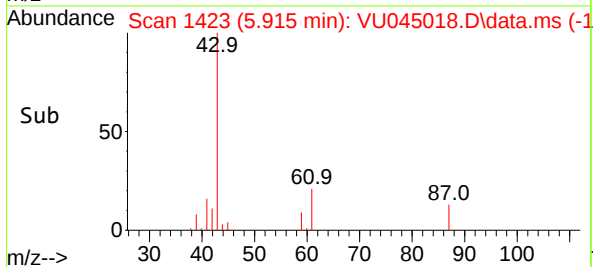
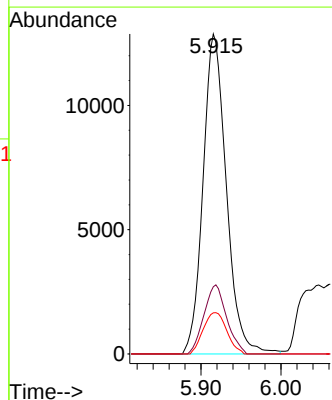
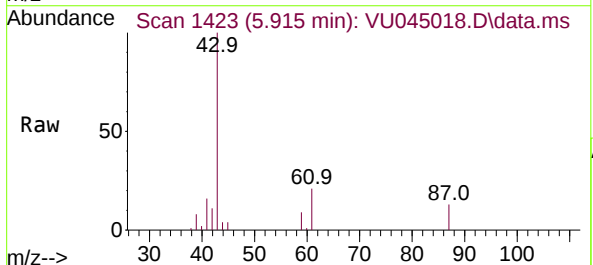


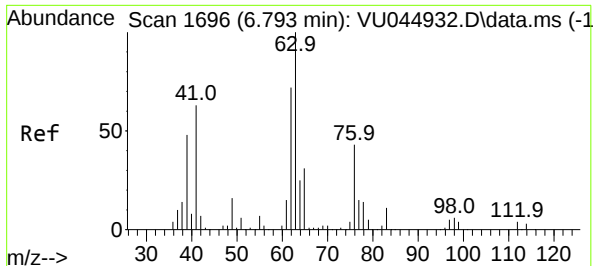
Tgt Ion:117 Resp: 21381
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.502 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 43 Resp: 26128
Ion Ratio Lower Upper
43 100
61 21.0 16.1 24.1
87 13.1 10.3 15.5



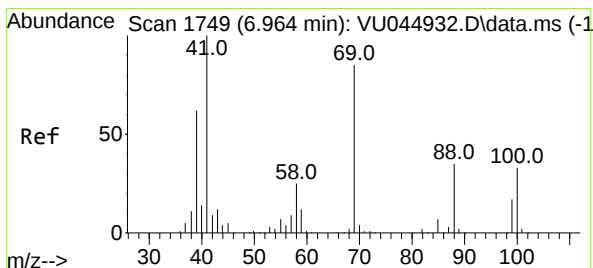
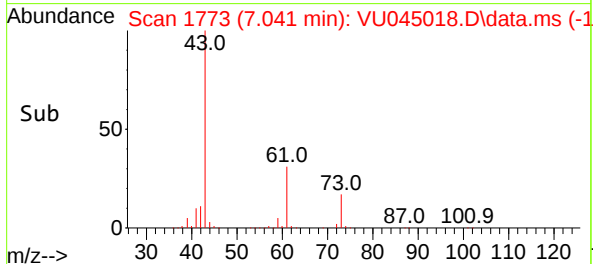
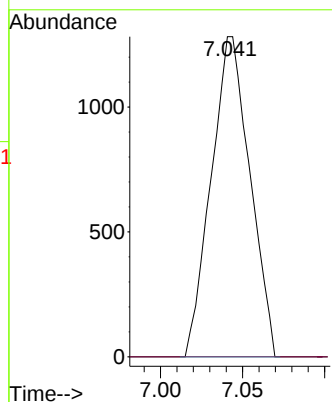
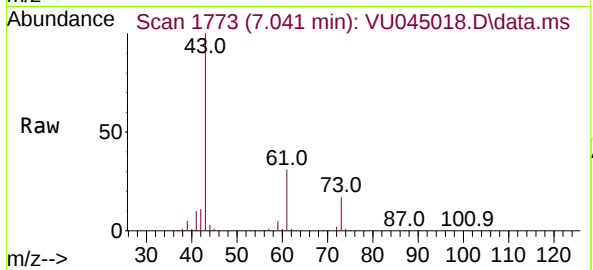


#45

1,2-Dichloropropane
Concen: 0.712 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

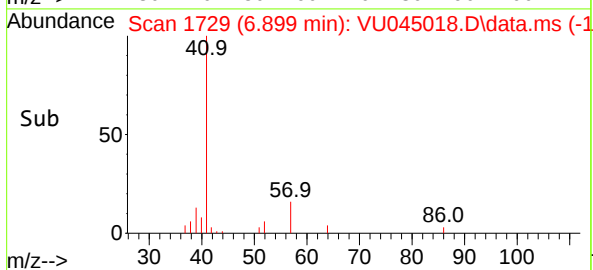
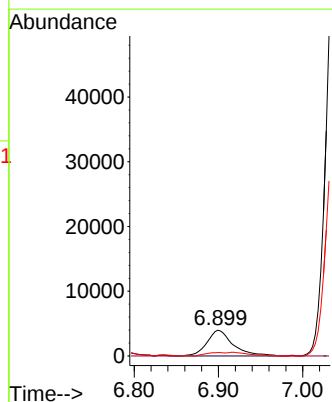
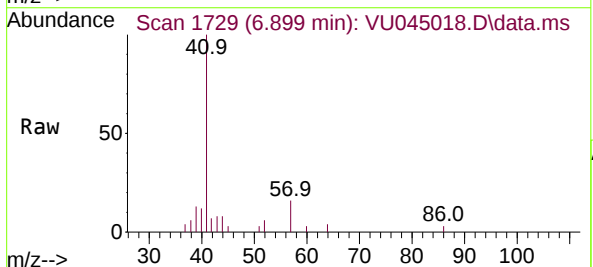
Tgt Ion: 63 Resp: 2107
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

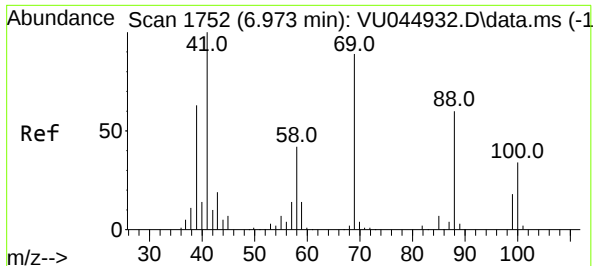


#48

Methyl methacrylate
Concen: 2.353 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.065 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 41 Resp: 8545
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.047 min Scan# 1775

Delta R.T. 0.074 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

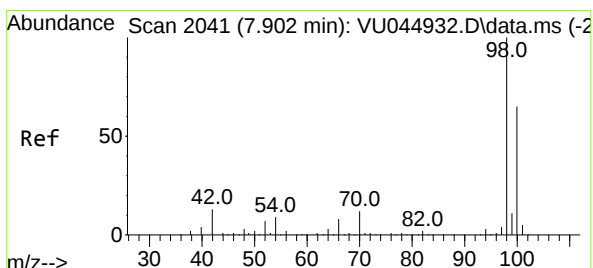
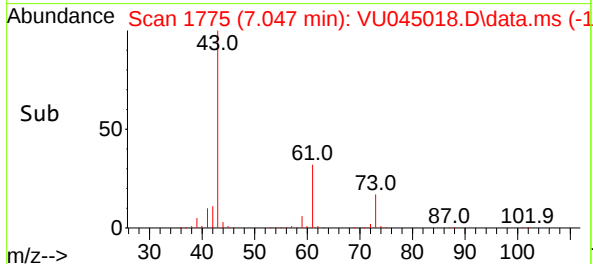
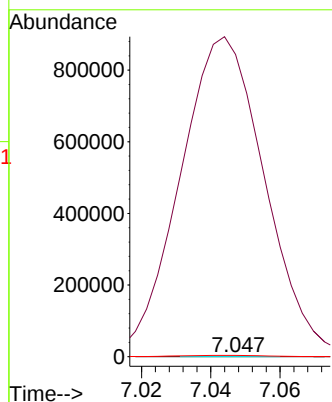
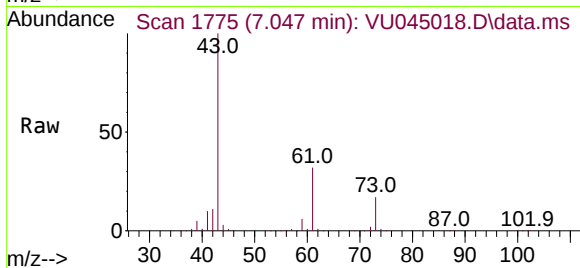
Tgt Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 908377.6 25.8 38.6#

58 3902.4 61.3 91.9#



#50

Toluene-d8

Concen: 51.748 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045018.D

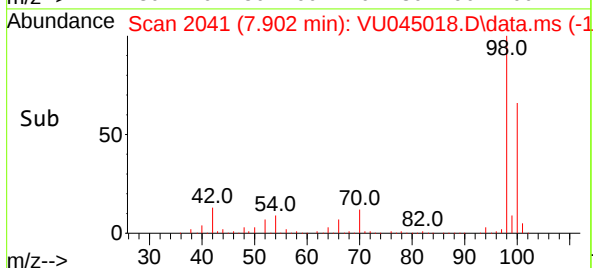
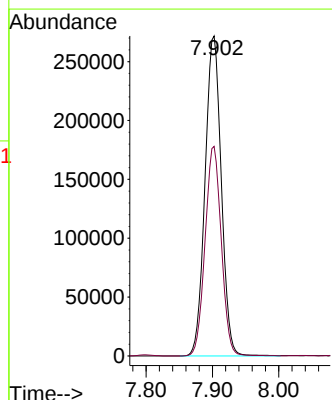
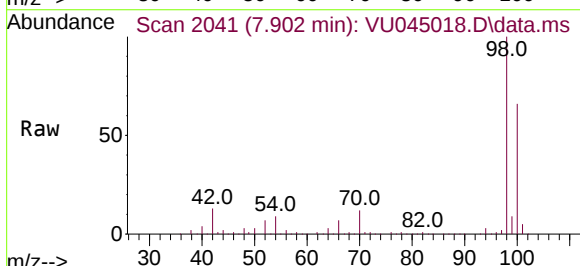
Acq: 30 Sep 2021 01:53

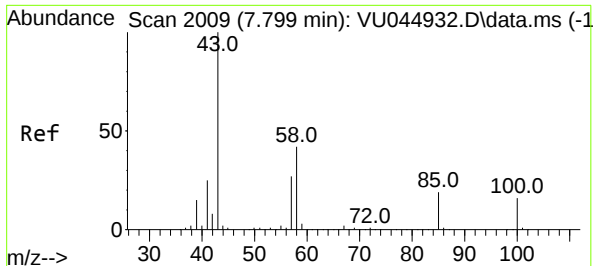
Tgt Ion: 98 Resp: 462348

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

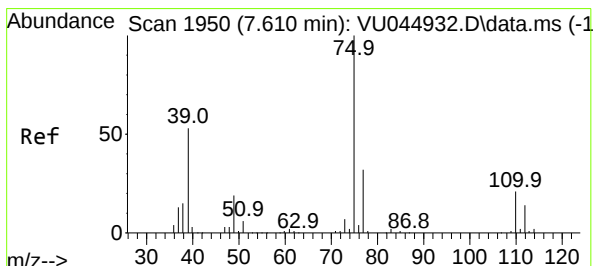
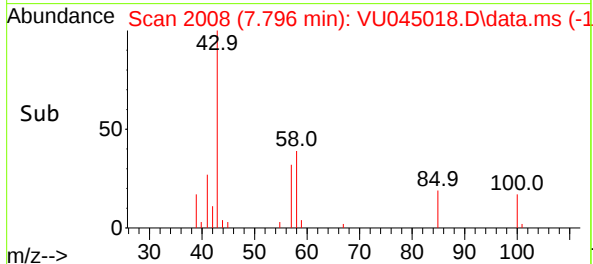
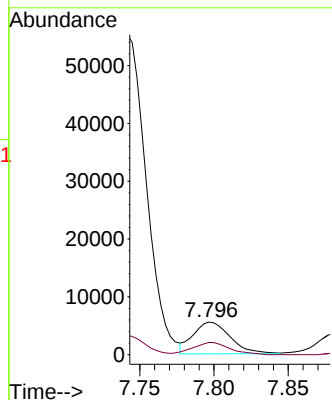
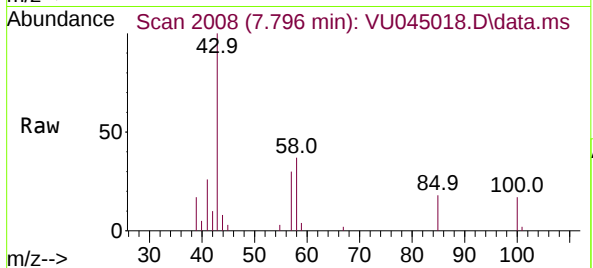




#51
4-Methyl-2-Pentanone
Concen: 1.763 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

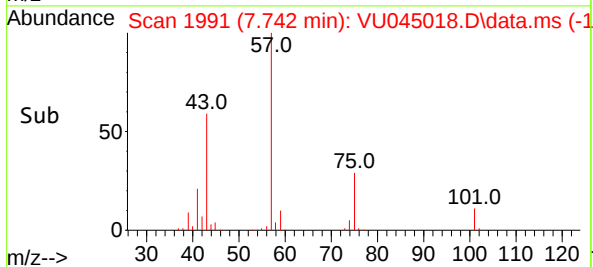
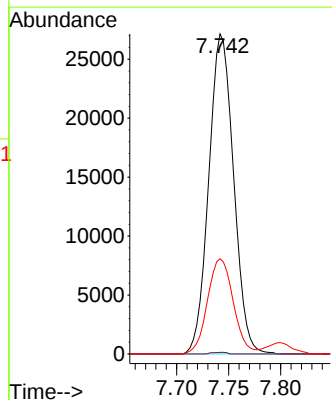
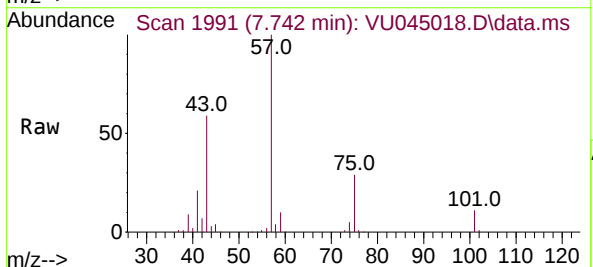
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

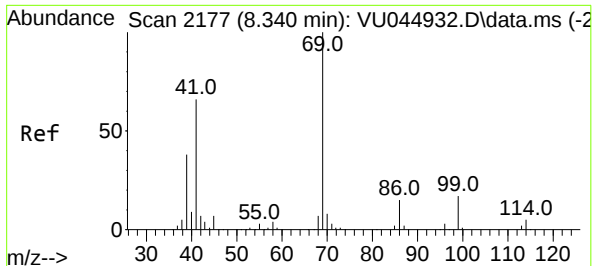
Tgt Ion: 43 Resp: 9577
Ion Ratio Lower Upper
43 100
58 38.4 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.776 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 75 Resp: 45083
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 29.8 41.4 62.2#





#56

Ethyl methacrylate

Concen: 1.976 ug/l

RT: 8.574 min Scan# 2250

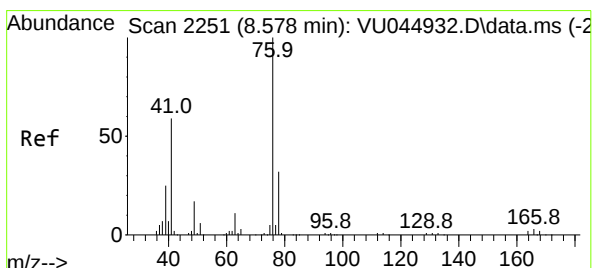
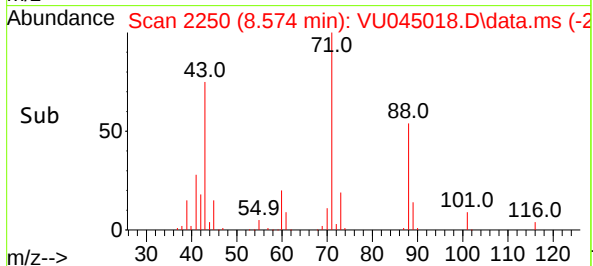
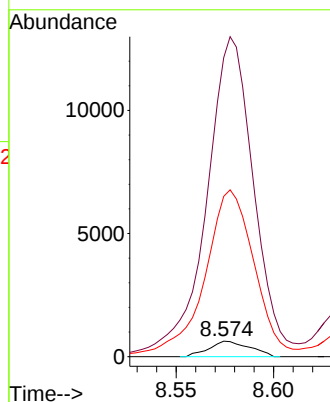
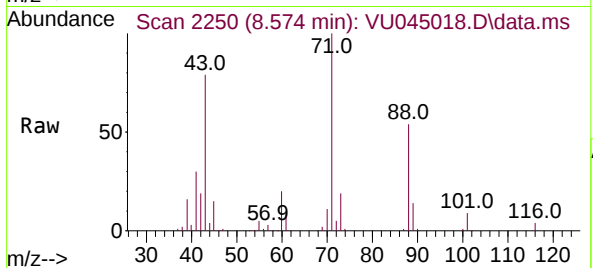
Delta R.T. 0.234 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

Tgt Ion:	69	Resp:	913
Ion	Ratio	Lower	Upper
69	100		
41	2337.8	53.5	80.3#
39	1253.6	31.1	46.7#

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01



#57

1,3-Dichloropropane

Concen: 5.792 ug/l

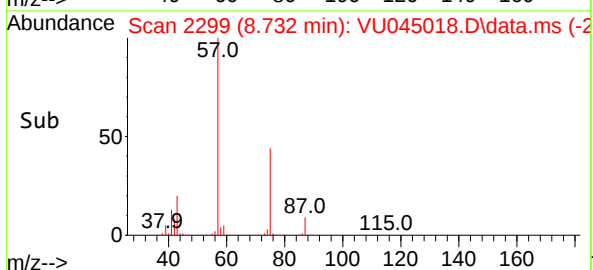
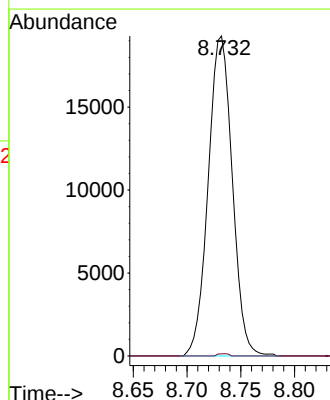
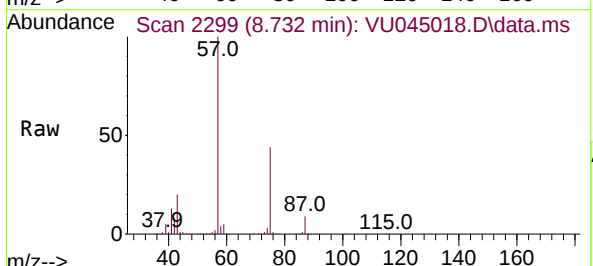
RT: 8.732 min Scan# 2299

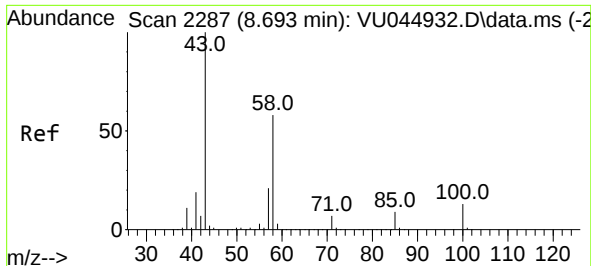
Delta R.T. 0.154 min

Lab File: VU045018.D

Acq: 30 Sep 2021 01:53

Tgt Ion:	76	Resp:	30097
Ion	Ratio	Lower	Upper
76	100		
78	0.3	25.7	38.5#

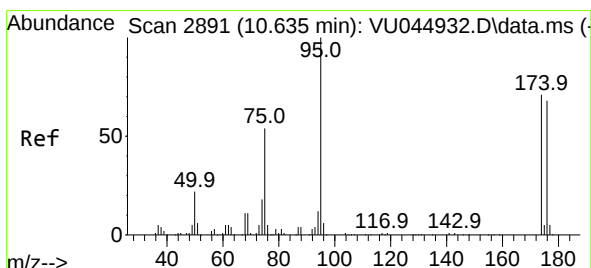
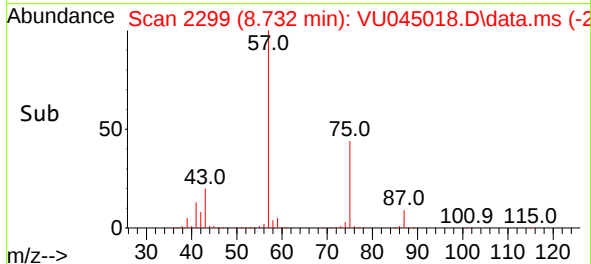
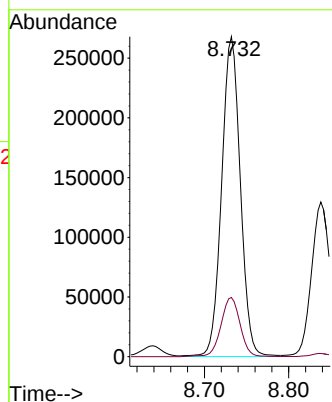
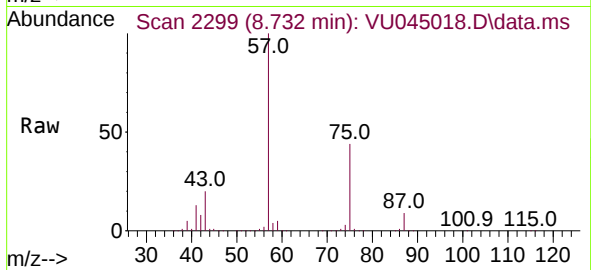




#59
2-Hexanone
Concen: 92.986 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

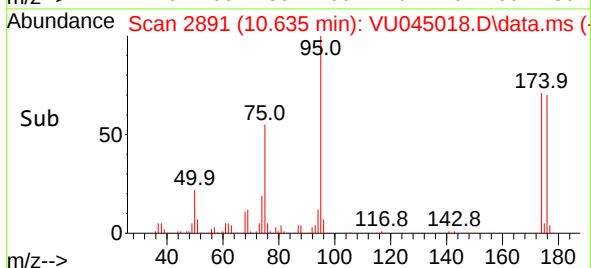
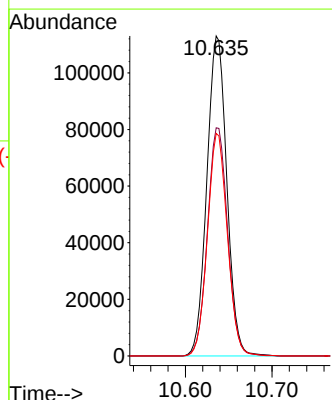
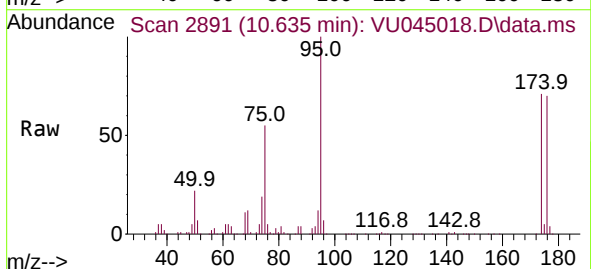
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

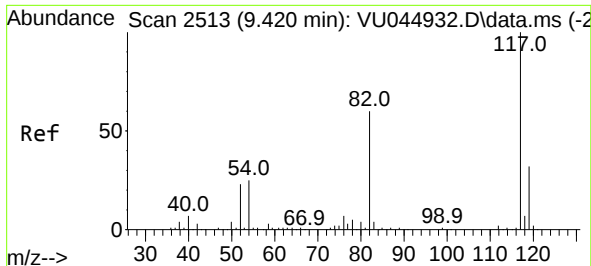
Tgt Ion: 43 Resp: 411337
Ion Ratio Lower Upper
43 100
58 19.1 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 49.054 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 95 Resp: 180945
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.6
176 69.5 0.0 141.2

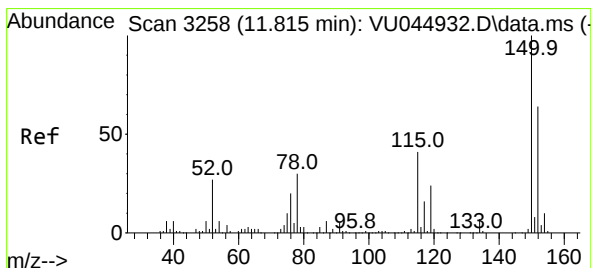
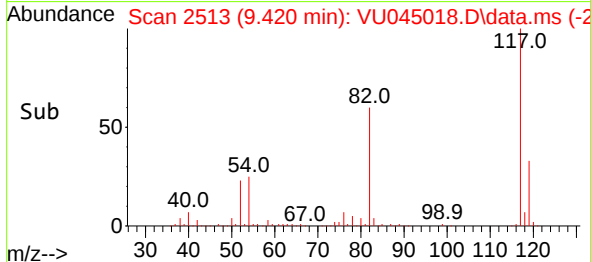
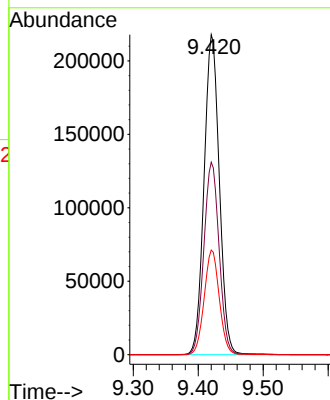
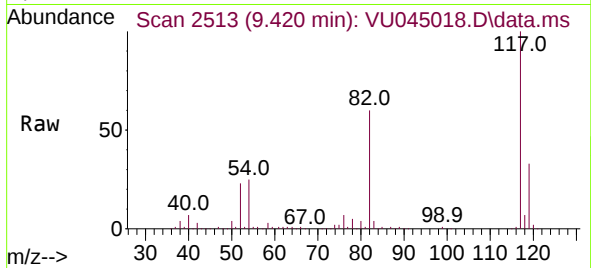




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

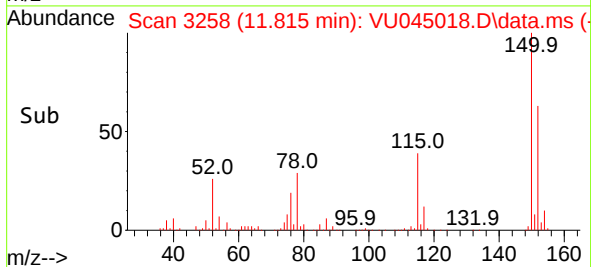
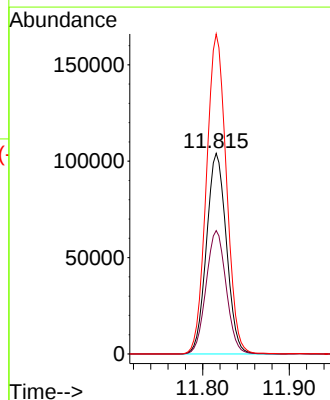
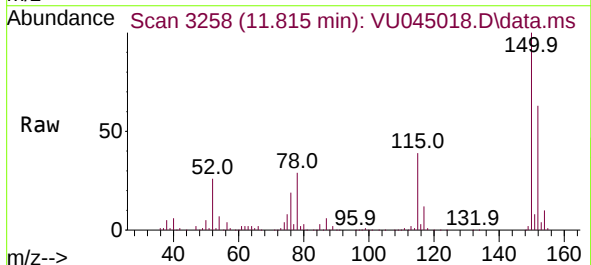
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

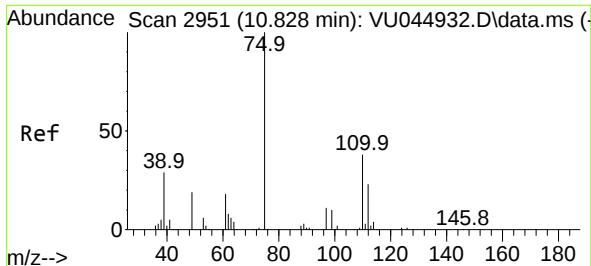
Tgt Ion:117 Resp: 357403
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion:152 Resp: 166310
Ion Ratio Lower Upper
152 100
115 62.0 43.5 130.7
150 159.8 0.0 350.0

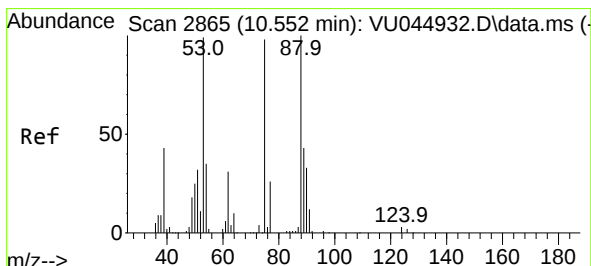
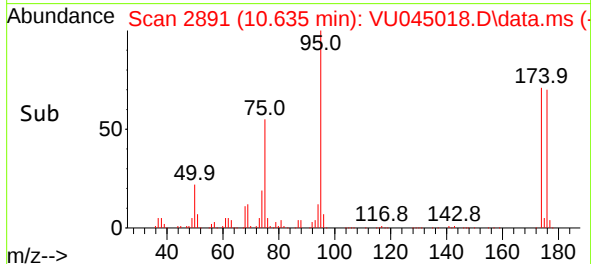
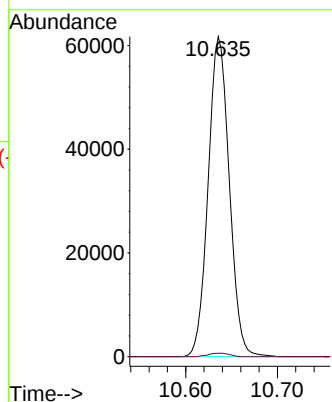
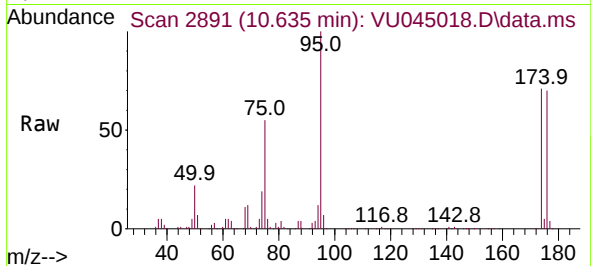




#76
1,2,3-Trichloropropane
Concen: 20.372 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

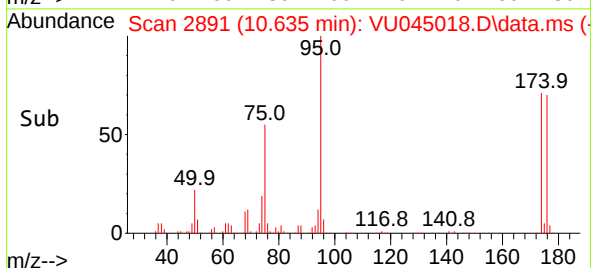
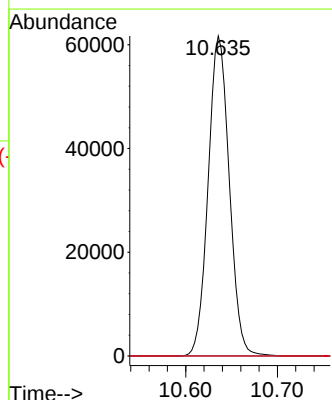
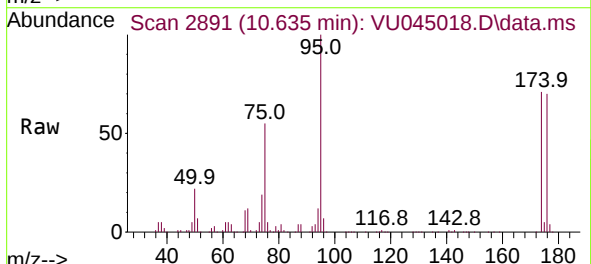
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

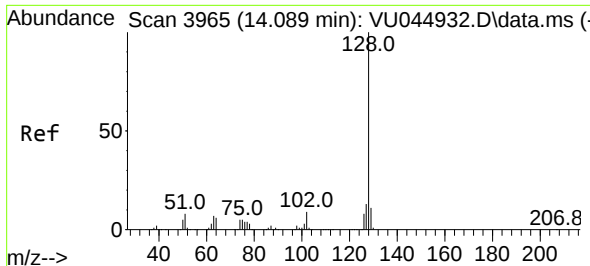
Tgt Ion: 75 Resp: 98823
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.535 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion: 75 Resp: 98823
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

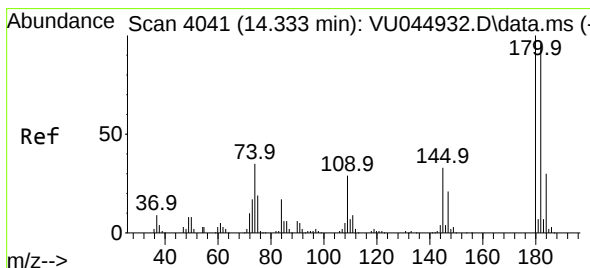
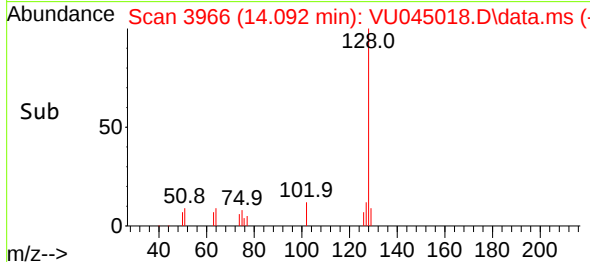
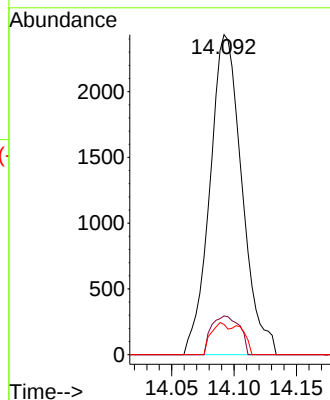
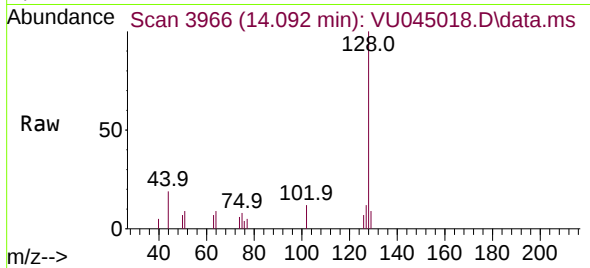




#95
Naphthalene
Concen: 0.354 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#01

Tgt Ion:128	Resp:	4348
Ion Ratio	Lower	Upper
128	100	
127	10.6	10.4 15.6
129	5.3	8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.231 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU045018.D
Acq: 30 Sep 2021 01:53

Tgt Ion:180	Resp:	756
Ion Ratio	Lower	Upper
180	100	
182	83.1	47.1 141.4
145	18.8	16.4 49.2

